Index of Claims

| <b>Applicatio</b> | n/Cont | rol No. |
|-------------------|--------|---------|
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10/823,745

Examiner

Chandra Chaudhari

Applicant(s)/Patent under Reexamination

KOYAMA ET AL.

Art Unit

2891

| 7  | Rejected |
|----|----------|
| II | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| CI    | aim      | Γ        |  |          | Date        | e  |                         | 7:::             | CI       | aim      |                 |                    | Di       | ate                     |          |  | _            | Clai  | im         |                                |          | Da       | te             |               |               | ٦                |
|-------|----------|----------|--|----------|-------------|--|-------------------------|------------------|----------|----------|-----------------|--------------------|----------|-------------------------|----------|--|--------------|-------|------------|--------------------------------|----------|----------|----------------|---------------|---------------|------------------|
|       | Т        | 2        |  |          |             |  | TT                      |                  |          |          | <u>ر</u>        |                    |          |                         |          |  |              | Т     |            | $\top$                         | Т        | Ť        | T              |               |               | 7                |
| Final | Original | 10/18/05 | 1                                      |          |             |  | 1                       |                  | <u></u>  | Original | 10/18/05        |                    |          |                         |          |  | 7            | 5     | Original   |                                |          |          |                |               |               | 1                |
| 듪     | Ē        | 1 🚆      |  |          | .           |  | 1 1                     |                  | Final    | į        | 12              |                    |          |                         | - 1      |  | Final        | ≣     | . <u>B</u> |                                |          |          |                |               |               | Ì                |
| _     | 0        | =        |  |          | j           |  |                         |                  | -        | Ō        | 2               |                    |          |                         |          |  | -            | -     | ŌΙ         | 1 1                            |          | 1        |                |               |               | 1                |
|       | 1        | +        | +                                      | -        | <del></del> | <del>                                     </del> | ++                      | $\dashv$ $\odot$ | <u> </u> | 51       | +               | -                  |          | +                       |          | <del>                                     </del> | $\vdash$     | +     | 101        | ╌┼╌┤                           | $\dashv$ | ╬        | +              | $\vdash$      | +             | 4                |
|       | 2        | -        | +                                      |          | +           | <del></del>                                      | ++                      | ⊣∷               | $\vdash$ | 52       | -               | -                  |          | +                       |          | <del>                                     </del> | ├            |       |            |                                | $\dashv$ | +        | +              | -             | +             | ┥                |
|       |          | A        | +                                      |          | +           |  |                         |                  | ├        |          | $\wedge$        | -                  |          | +                       |          | 1-40   | <u> </u>     |       | 102        |                                |          | 4        | ╄              | -             | _             | _                |
|       | 3        | Н        | $\vdash$                               | $\dashv$ |             | ⊢-   |                         | -4:::            | ├─       | 53       | Н               | +                  |          | -                       |          | 1-40   | <u> </u>     |       | 103        | $\dashv$                       |          | -        | $\vdash$       | $\rightarrow$ | +             | 4                |
|       | 4        | Н        | +                                      | -        | +           | Н-   |                         | 4:::             | <u> </u> | 54       | Н               | -                  | -        | +                       | _        | $\Box$   | 1            |       | 104        |                                |          |          | $\perp$        | $\Box$        | $\bot$        | _                |
|       | 5        | Н        | ╄                                      | _        | -           |  | ++                      | 4:::             |          | 55       | Ш               |                    | $\dashv$ |                         |          | $\sqcup$   | _            |       | 105        | $oldsymbol{oldsymbol{\sqcup}}$ | ᆚ.       |          | Ш              |               |               |                  |
|       | 6        | Н        | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ |          | $\perp$     | $\sqcup$   | $\bot \bot$             | 400              |          | 56       | Ш               |                    |          | $\perp$                 |          |  | L            |       | 106        | $\bot$                         |          |          | لك             |               |               |                  |
|       | 7        | Ц        | 1                                      |          |             |  | $\bot$                  | _[:::            |          | 57       | Ш               |                    | $\perp$  |                         |          |  |              |       | 107        | Ш                              |          |          |                |               | _[]           |                  |
|       | 8        | Ш        |  |          |             |  |                         |                  |          | 58       | Ш               |                    |          |                         |          |  |              | Т     | 108        | $\neg \neg$                    |          |          |                |               |               | 1                |
|       | 9        | $\prod$  |  |          |             |  |                         |                  |          | 59       |                 |                    | $\neg$   | ТП                      |          |  |              | T     | 109        | $\Box$                         | $\neg$   | $\top$   |                |               |               | 1                |
|       | 10       | П        |  |          |             |  |                         |                  |          | 60       | Ш               |                    | $\neg$   | 77                      |          |  |              |       | 110        | $\neg \neg$                    |          | $\top$   | 1              |               |               | 1                |
|       | 11       | П        |  |          | $\top$      |  | 11                      |                  |          | 61       | П               |                    | _        | 1                       | _        |  | $\vdash$     |       | 111        | $\dashv \dashv$                | $\neg$   |          | 1              |               | ╅             | 4                |
|       | 12       | П        | $\Box$                                 |          | _           |  | $\top$                  | 7:::             |          | 62       | Н               | $\dashv$           | $\vdash$ | $\dashv \dashv$         | $\neg$   |  | 1            |       | 112        | ++                             |          | +        | $\vdash$       | $\dashv$      | +             | ┦ .              |
|       | 13       | Н        | H                                      | -        | +           |  | + +                     | $\dashv$         | $\vdash$ | 63       | Н               | $\dashv$           |          | +                       | -        | H  | $\vdash$     |       | 113        | +                              | -+       | +        | +              | $\dashv$      | +             | Ⅎ                |
|       | 14       | Н        | Н                                      | +        | +           | <del>                                     </del> | +-+                     | $\dashv$         | -        | 64       | Н               | <del>-   -  </del> | $\dashv$ | +-+                     | +        | H  | $\vdash$     |       | 114        | +                              | -        | +-       | +              | -+            |               | 4                |
|       | 15       | Н        | $\vdash$                               | +        | +           | $\vdash$   | +                       |                  |          |          | <del>H</del> ∤  |                    | $\dashv$ | +++                     | $\dashv$ |  | <del> </del> |       |            |                                | $\dashv$ | +-       | $\vdash$       | -             |               | 4                |
|       | 16       | ╁        | $\vdash$                               | +        | -           | ├-├-   | +                       | - :::            |          | 65       | Н               |                    | -+       |                         | +        | <b></b>  | <u> </u>     |       | 115        | +                              | +        | +        | +              | -             | +             | 4                |
|       |          | Н        | 1                                      |          | +           | $\vdash$   | +                       | -:::             |          | 66       | Н               | -                  | _        | $\dashv$                | _        | <b></b>  | <u> </u>     |       | 116        | +                              |          | 1        | Ш              | _             |               | _                |
|       | 17       | Н        | Ш                                      | _        | $\perp$     | <u> </u>   |                         | 488              |          | 67       |                 | -                  | _        | 1-1                     |          | 9  |              |       | 117        | $\bot$                         |          |          | $\sqcup$       |               |               | _                |
|       | 18       | Ц        | Ш                                      |          | $\bot$      | Щ  |                         | _:::             |          | 68       | $ \mathbf{V} $  |                    |          | Ш                       |          |  |              |       | 118        |                                |          |          |                |               |               |                  |
|       | 19       | Ш        |  |          |             |  | 11                      | _:::             |          | 69       | +               |                    |          |                         |          |  |              | Ι.    | 119        |                                |          | 1        | П              |               |               | 7                |
|       | 20       | Ш        |  |          |             |  |                         |                  |          | 70       |                 |                    | Т        |                         | T-       | $\square$  |              | T -   | 120        |                                | $\neg$   | T        |                |               | $\neg \vdash$ | 7                |
|       | 21       | П        |  |          |             |  | TT                      |                  |          | 71       |                 |                    |          | П                       |          |  |              | T     | 121        | 77                             |          | 十        |                | $\neg$        |               | 1                |
|       | 22       | П        |  |          |             |  |                         |                  |          | 72       |                 | $\neg \neg$        |          | 77                      |          |  | Т            |       | 122        | $\top$                         | -        | +-       | $\vdash$       | $\dashv$      | $\top$        | 1                |
|       | 23       | П        | $\Box$                                 |          | 1           |  |                         | 700              |          | 73       | П               | $\neg$             |          | $\dashv \dashv$         |          |  | <b>├</b> ─   |       | 123        |                                | $\dashv$ | $\dashv$ | 1 1            | $\dashv$      | 一             | 1                |
|       | 24       | H        | $\vdash$                               | $\dashv$ | $\top$      | $\vdash$   | +                       | <b>-</b>  ::::   |          | 74       | $\vdash$        | + 1                |          | +                       |          | H  |              |       | 124        |                                | +        | +        | ╁╌┤            | $\dashv$      | +             | 4                |
|       | 25       | H        | H                                      | o        |             |  |                         |                  |          | 75       | $\vdash$        | $\rightarrow$      |          | +                       | +        | H  | ⊢            |       | 125        | + +                            |          | ╁        | ╁┤             | -+            |               |                  |
|       | 26       | Н        | Н                                      | _        | +           | $\vdash$   | <del>-  -</del>         | $\dashv$         |          |          | ┝               |                    | -        | +                       | -        |  | ⊢            |       |            | +                              | -+-      | -        | $\vdash$       |               |               | 4                |
|       |          | H        | <del> </del>                           |          | +           | $\vdash$   | ++                      | -1:::            |          | 76       | $\vdash$        |                    | -        | +                       |          | Hii  | <u> </u>     | +     | 126        | +                              | _        |          | -              | -             | _             | 4                |
|       | 27       | H        | ╀                                      | -        |             | $\vdash$   | +                       | -  ::            |          | 77       | -               |                    |          | $\dashv$                |          | Щ  |              |       | 127        |                                | _        | —        | $\bot$         | _             | _             | 4                |
|       | 28       | Н        | Н                                      |          | -           |  | +                       | _ ``             |          | 78       |                 | $\dashv$           |          | +                       | _        |  |              |       | 128        | $\perp$                        | $\perp$  | $\perp$  | Ш              |               |               |                  |
|       | 29       | Ц        | Ш                                      |          | $\perp$     |  | $\bot$                  | 4:::             |          | 79       |                 | $oldsymbol{\perp}$ | _        | $\perp$                 | 上        |  | <u> </u>     |       | 129        |                                |          |          |                |               |               |                  |
|       | 30       | Ц        |  |          |             |  |                         |                  |          | 80       |                 |                    |          |                         |          |  |              |       | 130        |                                |          |          |                |               |               | 7                |
|       | 31       | Ш        |  |          |             |  | $\perp \perp$           |                  |          | 81       |                 | [ _ [              |          | $\perp$                 |          |  |              | 1     | 131        | TT                             |          | 1        |                |               | Т             | 1                |
|       | 32       |          |  |          |             |  | T                       |                  |          | 82       |                 |                    |          | T                       |          |  |              |       | 132        |                                | T        |          |                | $\neg$        | $\top$        | 1                |
|       | 33       | П        |  |          |             |  |                         |                  |          | 83       |                 |                    | $\neg$   | $\top$                  |          |  |              | 1     | 133        | ╅                              | $\neg$   | $\top$   | $\Box$         | _             | 1             | 1                |
|       | 34       | П        |  |          |             |  |                         |                  |          | 84       |                 | $\neg$             |          | $\dagger \lnot \dagger$ |          | <b></b>  |              |       | 134        |                                |          | +        | $\vdash$       | $\neg$        | +             | 1                |
|       | 35       | T        | П                                      |          | $\top$      |  |                         | 701              |          | 85       | $\Box$          | $\dashv \dashv$    | $\neg$   | 1 1                     | -        |  | $\vdash$     | 1     | 135        | ++                             | $\dashv$ | +        | H              | -+            | +             | 1                |
|       | 36       | H        | Н                                      | -        | + +         | $\vdash$   | +                       | <b>⊣</b> ∷:      |          | 86       | $\dashv$        | -   -              | +        | +                       |          | H  | $\vdash$     |       | 136        | ++                             |          | +        | $\vdash$       | +             |               | 1                |
|       | 37       | H        |  | -+       | +           | -  | ++                      | $\exists$        |          | 87       | $\vdash$        |                    | -+       | +                       |          | H  | <del> </del> |       |            | +                              |          | +        | ┼-┼            | +             | +             | 4                |
|       | 38       | H        | $\vdash$                               |          | +           | $\vdash$   | ++                      | 134              |          |          | $\vdash \vdash$ |                    | $\dashv$ | +                       |          | H  | ۲.           | +     | 137        | ++                             |          |          | $\vdash$       | _             |               | 4                |
|       |          | H        | $\vdash$                               |          | +           | $\vdash$   | +                       | - "              | سد جہت   | 88       | H               | -+                 |          | +-+                     |          | H  | •            |       | 138        | +                              | -3       | - 1      | 1              | _             |               | المراجعة المعادد |
|       | 39       | Н.       | Н                                      | _        | +           | <del>   </del> -                                 | ++                      | 4 1              |          | 89       | Щ               |                    | $\perp$  | +                       |          | $oldsymbol{\sqcup}$                              |              |       | 139        | 44                             |          | $\bot$   | $\sqcup$       | $\perp$       | _             | 1                |
|       | 40       | Н.       | <b> </b>                               |          | 1           |  | +                       | 484              |          | 90       | Ш               |                    | $\perp$  | $\bot$                  |          | Щ  |              |       | 140        | Ш                              |          |          |                |               |               | 1                |
|       | 41       | Ц.       | Ш                                      |          | 1           | $oxed{oxed}$                                     |                         | 4:::1            |          | 91       |                 |                    |          | $\perp$                 |          |  |              | 1     | 141        | LJ                             | $\bot$   |          | $L^{I}$        |               |               |                  |
| •     | 42       | Ш        | Ш                                      |          |             |  |                         | _::::            |          | 92       |                 |                    |          | $\perp$                 | L_       |  | L            | . [ 1 | 142        |                                | T        |          | Π              | T             |               |                  |
|       | 43       | Ш        | $\Box$                                 | [        |             |  | $\bot$ $\top$           |                  |          | 93       |                 |                    |          | T                       |          |  |              | 1     | 143        | 11                             |          |          | П              | o             | $\top$        | 1                |
|       | 44       | П        |  |          |             |  | $\top$                  |                  |          | 94       |                 |                    |          | <del>     </del>        |          |  |              | 1     | 144        | 11                             | $\neg$   | $\top$   |                | $\dashv$      | $\top$        | 1                |
|       | 45       | П        | П                                      |          | $\top$      |  | 11                      | 7:1              |          | 95       |                 | $\neg$             |          | 17                      | $\neg$   |  |              | 1     | 145        | ++                             |          | +        | $\vdash$       | $\dashv$      | +             | 1                |
|       | 46       | H        | Н                                      | _        | +           | $\vdash$   | + +                     | <b> </b>         |          | 96       | $\dashv$        | ++                 |          | ++                      | $\dashv$ | H  |              | +     | 146        | ++                             | -+-      | +        | + 1            | +             | +             | 1                |
|       | 47       | Н        | $\vdash$                               | -        | +-1         | <del>                                     </del> | ++-                     | <b>⊣</b> ∷       |          | 97       | $\dashv$        | <del></del>        | +        | +                       | +        | <del>                                     </del> | _            | +     | 147        | ++                             | +        | +        | <del>   </del> | -             | +             | -                |
|       | 48       | Н        | ├─┤                                    |          | +-          |  | ++                      | - ::             |          | 98       | $\dashv$        |                    | +        | ++                      | -        | H  |              |       |            | ++                             | $\dashv$ | +        | ₩              | +             |               | 4                |
|       | 40       | 4        | ╀┤                                     | $\dashv$ | +           |  | +                       | 484              |          | 30       | $\dashv$        |                    | +        | ++                      |          | oxdot  | _            | 11    | 148        | ++                             | -        | +        | $\vdash$       | <u> </u>      |               | 4                |
|       | 49       |          | $\vdash$                               |          | 1           | $\vdash \vdash$                                  | $+\!\!\perp\!\!\!\perp$ | <b>-</b>         |          | 99       | $\sqcup$        |                    |          | 1                       |          | $\square$  | <u> </u>     |       | 149        | $\bot \bot$                    | 丄        |          | $\sqcup$       |               | $\perp$       | 1                |
|       | 50       | +        |  |          |             |  |                         | _1881            |          | 100      |                 |                    |          | ┸╹                      |          |  |              | 1     | 150        |                                | - 1      |          | ΙĪ             | T             |               | 1                |